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### AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application:

#### Listing of Claims

1. (original) An induction heating system, comprising:  
a portable power source electrically coupleable to a fluid-cooled induction heating cable to produce a varying magnetic field; and  
a portable cooling unit fluidically coupleable to the fluid-cooled induction heating cable to cool the fluid-cooled induction heating cable.
2. (original) The system as recited in claim 1, comprising a fluid-cooled induction heating cable.
3. (original) The system as recited in claim 1, comprising a portable power source controller.
4. (original) The system as recited in claim 3, wherein the portable power source controller is operable to control power from the power source to produce a desired temperature profile in the workpiece.

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5. (original) The system as recited in claim 2, wherein the induction heating system is operable to preheat a workpiece before welding and relieve stress from the workpiece after welding.

6. (original) The system as recited in claim 1, comprising a wheeled cart, wherein the power source and cooling unit are disposed on the wheeled cart.

7. (original) The system as recited in claim 6, wherein a portable power source controller is disposed on the wheeled cart.

8. (original) The system as recited in claim 1, comprising a temperature feedback device operable to provide an electrical signal representative of workpiece temperature.

9-46. (cancelled)

47. (original) A portable heating system, comprising:  
a power source operable to apply power to heat a workpiece;  
a power source controller operable to control the heating of a workpiece in response to programming instructions provided by a user to produce a desired temperature profile in the workpiece; and

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a cart operable to transport the power source and power source controller to the workpiece.

48. (original) The system as recited in claim 47, wherein the system is an induction heating system.

49. (original) The system as recited in claim 47, comprising a fluid-cooled induction heating cable.

50. (original) The system as recited in claim 47, comprising a cooling unit operable to provide a flow of cooling fluid, the cooling unit being disposed on the cart.

51. (original) The system as recited in claim, 47, comprising a temperature feedback device operable to produce a signal representative of workpiece temperature to the power source controller.

52. (original) The system as recited in claim 47, wherein the power source controller uses PID control.

53. (original) The system as recited in claim 47, wherein the power source controller uses PI control.

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54. (original) The system as recited in claim 47, wherein the system is operable to raise the temperature of a workpiece to a first temperature and lower the temperature of the workpiece from the first temperature to a second temperature at a desired rate.

55. (original) The system as recited in claim 47, comprising an insulation blanket having a visible line to enable the insulation blanket to be aligned with a weld joint.

56. (cancelled)